

Inventors: Ruoslahti and Pasqualini
Serial No.: 09/228,866
Filed: January 12, 1999
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15. (Twice Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CLSSRLDAC (SEQ ID NO: 3).

17. (Twice Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CNSRLHLRC (SEQ ID NO: 1).

D³ 19. (Twice Amended) An isolated [A] peptide, [that selectively homes to brain] comprising the amino acid sequence CNSRLQLRC (SEQ ID NO: 5).

D² 24. (Twice Amended) An isolated [A] peptide that selectively homes to brain, consisting of the amino acid sequence:

X₃VLRX₄ (SEQ ID NO: 46),

wherein X₃ is absent or is 1 to 10 independently selected amino acids and X₄ is 1 to 20 independently selected amino acids, and wherein said peptide is cyclic and exhibits at least two-fold greater specific binding to brain than to kidney.

D⁴ 28. (Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CVLRGGRC (SEQ ID NO: 4).

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30. (Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence WRCVLREGPAGGCAWFNRHRL (SEQ ID NO: 16).

32. (Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CENWWGDVC (SEQ ID NO: 2).

34. (Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CGVRLGC (SEQ ID NO: 6).

36. (Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CKDWGRIC (SEQ ID NO: 7).

38. (Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CLDWGRIC (SEQ ID NO: 8).

40. (Amended) An isolated [A] peptide [that selectively homes to brain], comprising the amino acid sequence CTRITESC (SEQ ID NO: 9).